

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1245096

Luminaire Tested: PRLX-NIM-L-940-02L-U-NL

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2412-299-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-NIM-L-940-02L-U-NL
Description: 3D PRINTED PENDANT LED LUMINAIRE, LARGE LIGHT ENGINE, NATURAL LINES SHADE TEXTUF
LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

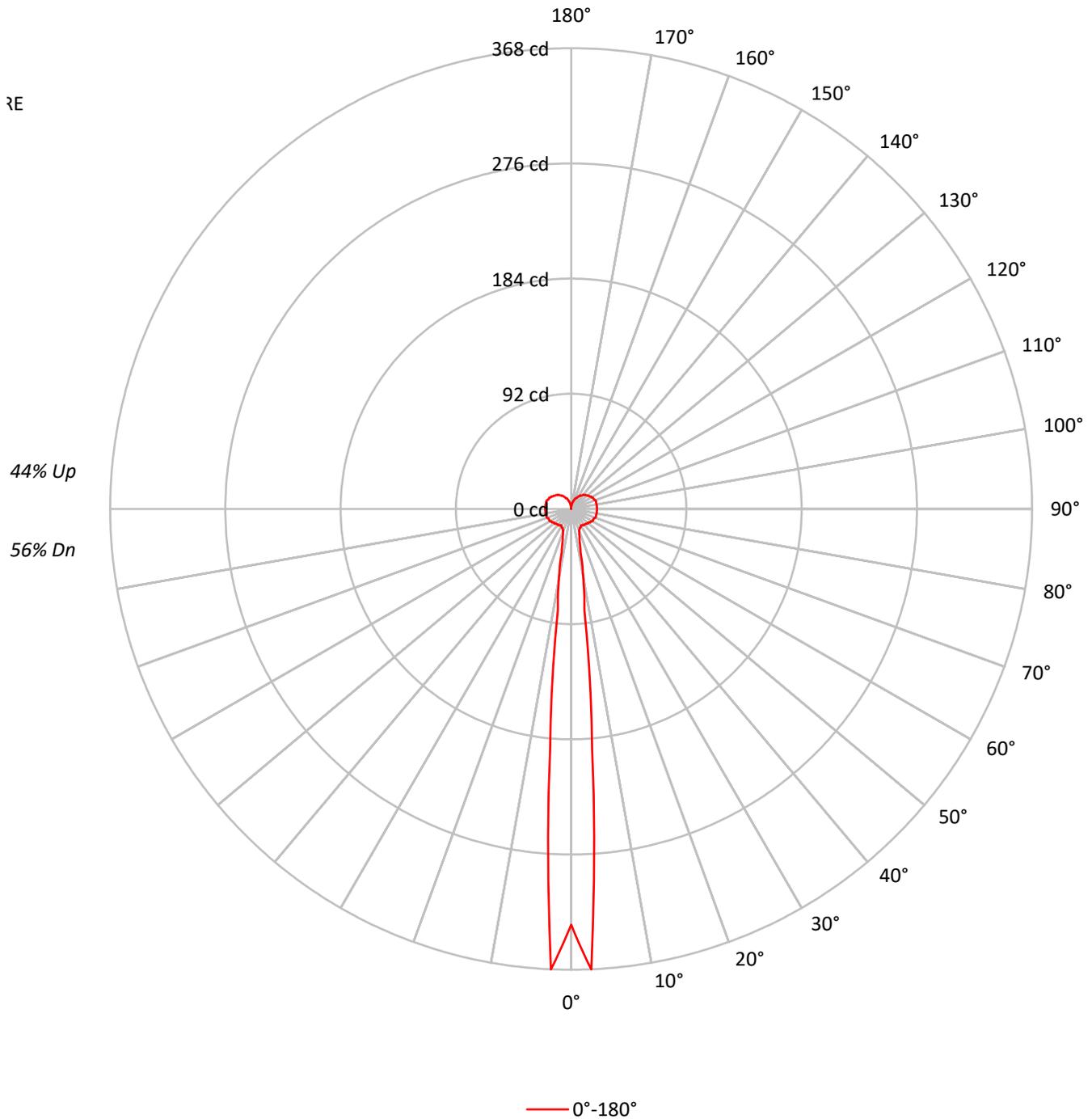
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 239.9 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.58' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 5.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	95	89	83	78	87	82	77	73	70	66	62	58	55	53	48	45	43	38
2	85	76	68	61	78	70	63	57	59	54	49	49	45	42	40	37	34	30
3	77	66	57	50	71	61	53	47	52	45	40	43	38	34	35	31	28	24
4	71	58	49	42	65	54	46	40	46	39	34	38	33	29	31	27	24	20
5	65	52	43	36	60	48	40	34	41	35	30	34	29	25	28	24	21	18
6	60	47	38	32	55	44	36	30	37	31	26	31	26	22	26	22	19	16
7	56	43	34	28	51	40	32	27	34	28	23	29	24	20	24	20	17	15
8	52	39	31	25	48	36	29	24	32	25	21	27	22	18	23	19	16	13
9	49	36	28	23	45	34	27	22	29	23	19	25	20	17	21	17	15	12
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	10506
5°	4758
10°	1133
15°	449
20°	285
25°	227
30°	195
35°	181
40°	181
45°	172
50°	175
55°	180
60°	185
65°	182
70°	190
75°	190
80°	191
85°	194

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 198 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	5.9
10°-20°	8.0	3.3
20°-30°	7.8	3.2
30°-40°	10.0	4.2
40°-50°	13.1	5.5
50°-60°	16.4	6.9
60°-70°	19.6	8.2
70°-80°	21.8	9.1
80°-90°	22.5	9.4
90°-100°	22.5	9.4
100°-110°	21.8	9.1
110°-120°	19.5	8.1
120°-130°	16.0	6.7
130°-140°	12.2	5.1
140°-150°	8.2	3.4
150°-160°	4.5	1.9
160°-170°	1.8	0.8
170°-180°	0.2	0.1
0°-30°	29.9	12.4
0°-40°	39.9	16.6
0°-60°	69.4	28.9
0°-90°	133.2	55.5
90°-120°	63.7	26.6
90°-150°	100.1	41.7
90°-180°	107.0	44.6
0°-180°	239.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	332	
5°	193	14
15°	26	8
25°	16	8
35°	16	10
45°	16	13
55°	19	16
65°	20	20
75°	21	22
85°	21	17
90°	21	11
95°	21	17
105°	21	22
115°	20	19
125°	18	16
135°	16	12
145°	13	8
155°	9	5
165°	6	2
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	332.1
2.5°	368.2
5°	192.9
7.5°	81.5
10°	55.7
12.5°	35.1
15°	25.8
17.5°	21.7
20°	18.6
22.5°	17.5
25°	16.5
27.5°	16.5
30°	15.5
32.5°	15.5
35°	15.5
37.5°	16.5
40°	16.5
42.5°	16.5
45°	16.5
47.5°	17.5
50°	17.5
52.5°	17.5
55°	18.6
57.5°	18.6
60°	19.6
62.5°	19.6
65°	19.6
67.5°	19.6
70°	20.6
72.5°	20.6
75°	20.6
77.5°	20.6
80°	20.6
82.5°	20.6
85°	20.6
87.5°	20.6
90°	20.6
92.5°	20.6
95°	20.6
97.5°	20.6
100°	20.6
102.5°	20.6
105°	20.6
107.5°	20.6
110°	20.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	19.6
115°	19.6
117.5°	19.6
120°	18.6
122.5°	18.6
125°	17.5
127.5°	17.5
130°	16.5
132.5°	16.5
135°	15.5
137.5°	15.5
140°	14.4
142.5°	13.4
145°	13.4
147.5°	12.4
150°	11.3
152.5°	10.3
155°	9.3
157.5°	9.3
160°	8.3
162.5°	7.2
165°	6.2
167.5°	5.2
170°	4.1
172.5°	3.1
175°	1.0
177.5°	0.0
180°	0.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	1.5	2.5	2.4	3.5	4.6	1.5	2.5	2.4	3.5	4.6
	3H	4.6	5.5	5.5	6.4	7.6	4.6	5.5	5.5	6.4	7.6
	4H	6.0	7.0	7.0	7.9	9.1	6.0	7.0	7.0	7.9	9.1
	6H	7.5	8.3	8.4	9.3	10.5	7.5	8.3	8.4	9.3	10.5
	8H	8.2	9.0	9.1	9.9	11.2	8.2	9.0	9.1	9.9	11.2
	12H	8.8	9.6	9.8	10.6	11.8	8.8	9.6	9.8	10.6	11.8
4H	2H	2.3	3.2	3.2	4.1	5.3	2.3	3.2	3.2	4.1	5.3
	3H	5.5	6.3	6.5	7.3	8.5	5.5	6.3	6.5	7.3	8.5
	4H	7.2	7.9	8.1	8.9	10.1	7.2	7.9	8.1	8.9	10.1
	6H	8.8	9.4	9.7	10.4	11.6	8.8	9.4	9.7	10.4	11.6
	8H	9.5	10.2	10.5	11.1	12.4	9.5	10.2	10.5	11.1	12.4
	12H	10.3	10.9	11.3	11.9	13.1	10.3	10.9	11.3	11.9	13.1
8H	4H	7.7	8.3	8.6	9.3	10.6	7.7	8.3	8.6	9.3	10.6
	6H	9.5	10.0	10.4	11.0	12.3	9.5	10.0	10.4	11.0	12.3
	8H	10.4	10.9	11.4	11.9	13.2	10.4	10.9	11.4	11.9	13.2
	12H	11.3	11.8	12.3	12.8	14.1	11.3	11.8	12.3	12.8	14.1
12H	4H	7.8	8.4	8.8	9.4	10.6	7.8	8.4	8.8	9.4	10.6
	6H	9.7	10.1	10.6	11.1	12.4	9.7	10.1	10.6	11.1	12.4
	8H	10.7	11.1	11.6	12.1	13.4	10.7	11.1	11.6	12.1	13.4

(END OF REPORT)